Claim Amendments:

Kindly amend the claims to read as set forth below:

1-12. (cancelled)

13. (currently amended) A computing apparatus connected to a network and functioning as a router, the computing apparatus comprising:

a pointer storage section capable of storing a pointer for specifying an execution section for execution of computation, the execution section including an event handler to be called when occurrence of a corresponding event is detected;

a data storage section capable of storing a plurality of data that include routing information in the network;

an execution instruction section formed by a computer program, which ~~that awaits occurrence of an event, the event including reception of a packet from the network,~~ maintains a data-pointer for specifying at least one of the plurality of data stored in said data storage section, the data-pointer being maintained as a value of a data-pointer variable defined in the computer program, awaits occurrence of the corresponding event, and, when occurrence of the corresponding event is detected, calls ~~specifies~~ the execution section specified by the pointer stored in said pointer storage section, giving the data-pointer variable to the execution section as an argument, thereby causing the execution section to execute computation related to the routing information by use of said at least one of the plurality of data as specified by the value of the data-pointer variable; and

a pointer management section capable of changing the pointer stored in said pointer storage section from a first pointer to a second pointer, the first pointer specifying a first execution section and the second pointer specifying a second execution section,

wherein said data storage section is capable of keeping the plurality of data stored, after the pointer is changed by said pointer management section, thereby enabling said execution instruction section to cause the second execution section to execute computation by use of at least one of the plurality of data that has been used by the first execution section, and enabling the event handler to be updated while keeping a state of communication or socket in the router.

14. (previously presented) The computing apparatus according to claim 13,

wherein said pointer management section includes a function of deleting the pointer stored in said pointer storage section and a function of adding another pointer to said pointer storage section.

15. (previously presented) The computing apparatus according to claim 13,

wherein said pointer management section includes a function of re-reading the execution section by reading the second execution section in place of the first execution section.

16. (previously presented) The computing apparatus according to claim 13,

wherein said pointer management section further has a function of reading a data conversion execution section for converting data stored in the data storage section.

17. (previously presented) The computing apparatus according to claim 13,

wherein said data storage section is capable of storing information of a version of the data, and said execution section is capable of executing computation by use of the data in accordance with the version indicated by the information.

18. (previously presented) The computing apparatus according to claim 13,

wherein said pointer management section includes a function of adding another execution section, and a function of adding another pointer specifying said another execution section to said pointer storage section.

19. (previously presented) The computing apparatus according to claim 13,

wherein said pointer management section includes a function of deleting the execution section, and a function of deleting or changing said pointer stored in said pointer storage section, said pointer specifying the execution section deleted.

20. (previously presented) The computing apparatus according to claim 13,

wherein the data stored in said data storage section includes at least one of: data received from the network; data transmitted to the network; and data computed based on the data received and/or the data transmitted.

21. (previously presented) The computing apparatus according to claim 13,

wherein the routing information is used in selecting a network interface for transmitting a packet received from the network.

22. (previously presented) The computing apparatus according to claim 13,

wherein said pointer management section includes a function of reading the second execution section in place of the first execution section, the second execution section being free from one or more errors identified in the first execution section and/or including a function in addition to functions included in the first execution section.

23. (currently amended) A computer usable program stored on a computer readable medium for a computer connected to a network and functioning as a router, the computer usable program causing the computer to execute:

storing, in a pointer storage section, a pointer for specifying an execution section for execution of computation, the execution section including an event handler to be called when occurrence of a corresponding event is detected;

storing, in a data storage section, a plurality of data that include routing information in the network;

~~awaiting occurrence of an event, the event including reception of a packet from the network;~~

maintaining, in an execution instruction section formed by a computer program, a data-pointer for specifying at least one of the plurality of data stored in said data storage section, the data-pointer being maintained as a value of a data-pointer variable defined in the computer program;

awaiting, in the execution instruction section, occurrence of the corresponding event;

calling ~~specifying~~, in the execution instruction section, when occurrence of the corresponding event is detected, the execution section specified by the pointer stored in said

pointer storage section, giving the data-pointer variable to the execution section as an argument, such that the execution section executes computation related to the routing information by use of said at least one of the plurality of data as specified by the value of the data-pointer variable; and

changing the pointer stored in said pointer storage section from a first pointer to a second pointer, the first pointer specifying a first execution section and the second pointer specifying a second execution section,

wherein the plurality of data in said data storage section are kept stored, after the pointer is changed, thereby enabling the second execution section to execute computation by use of at least one of the plurality of data that has been used by the first execution section, and enabling the event handler to be updated while keeping a state of communication or socket in the router.

24. (currently amended) A computing method performed in a computer connected to a network and functioning as a router, the method comprising:

storing, in a pointer storage section, a pointer for specifying an execution section for execution of computation, the execution section including an event handler to be called when occurrence of a corresponding event is detected;

storing, in a data storage section, a plurality of data that include routing information in the network;

~~awaiting occurrence of an event, the event including reception of a packet from the network;~~

maintaining, in an execution instruction section formed by a computer program, a data-pointer for specifying at least one of the plurality of data stored in said data storage section, the

data-pointer being maintained as a value of a data-pointer variable defined in the computer program;

awaiting, in the execution instruction section, occurrence of the corresponding event;

calling ~~specifying~~, in the execution instruction section, when occurrence of the corresponding event is detected, the execution section specified by the pointer stored in said pointer storage section, giving the data-pointer variable to the execution section as an argument, such that the execution section executes computation related to the routing information by use of said at least one of the plurality of data as specified by the value of the data-pointer variable; and

changing the pointer stored in said pointer storage section from a first pointer to a second pointer, the first pointer specifying a first execution section and the second pointer specifying a second execution section,

wherein the plurality of data in said data storage section are kept stored, after the pointer is changed, thereby enabling the second execution section to execute computation by use of at least one of the plurality of data that has been used by the first execution section, and enabling the event handler to be updated while keeping a state of communication or socket in the router.